

Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

1. Project Location (Note: electronic filers will click on button to locate project site):

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Check if more than one owner

City/Town

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return kev.





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

51 Harbor View Road	Hull	02045
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	42.18265 N	70.54225 W
Latitude und Longitude.	d. Latitude	e. Longitude
56	Lote: 28	

2.

3. Property owner (required if different from applicant):

•	d. Latitude	e. Longitude
56	Lots: 28	
f. Assessors Map/Plat Number	g. Parcel /Lot Nu	mber
Applicant:		
Thomas P.	Fitzgerald	
a. First Name	b. Last Name	
c. Organization		
51 Harbor View Road		
d. Street Address		
Hull	MA	02045
e. City/Town	f. State	g. Zip Code
781-925-4000	tfitzgerald@confei	rencehotels.com
h. Phone Number i. Fax Num		

a. First Name b. Last Name c. Organization d. Street Address e. City/Town f. State g. Zip Code h. Phone Number i. Fax Number j. Email address

Representative (if any):

Steven		Gioiosa	
a. First Name		b. Last Name	
Civil & Environmen	tal Consultants, Inc.		
с. Сотрапу			
31 Bellows Road			
d. Street Address			
Raynham		MA	02767
e.		f. State	g. Zip Code
774-501-2176		sgioiosa@cecinc.com	
h. Phone Number	i. Fax Number	j. Email address	

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

\$110.00	\$42.50	\$67.50	
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid	



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A. General Information (continued)

6. General Project Description:

The Applicant is proposing to complete a slope stabilization project for a portion of the northerly slope on the property utilizing several slope stabilization techniques as depicted on the site plan

	on the property difficulty develope of abilization to	confided as deploted on the site plan.
7a.	Project Type Checklist: (Limited Project Types see	Section A. 7b.)
	1. Single Family Home	2. Residential Subdivision
	3. Commercial/Industrial	4. Dock/Pier
	5. Utilities	6. Coastal engineering Structure
	7. Agriculture (e.g., cranberries, forestry)	8. Transportation
	9. Dother	
7b.	Is any portion of the proposed activity eligible to be Restoration Limited Project) subject to 310 CMR 10	
	1 Ves No If yes, describe which limite	ed project applies to this project. (See 310 CMR polete list and description of limited project types)
	10.24 and 10.33 for a comp	siete list and description of limited project types/
	2. Limited Project Type	
	If the proposed activity is eligible to be treated as an	
	CMR10.24(8), 310 CMR 10.53(4)), complete and at Project Checklist and Signed Certification.	tach Appendix A. Ecological Restoration Limited
8.	Property recorded at the Registry of Deeds for:	
	Plymouth	
	a. County /402/	b. Certificate # (if registered land)
	c. Book	d. Page Number
В.	Buffer Zone & Resource Area Impa	acts (temporary & permanent)
1.	☐ Buffer Zone Only – Check if the project is locate	ed only in the Buffer Zone of a Bordering
_	Vegetated Wetland, Inland Bank, or Coastal Re	source Area.
2.	Inland Resource Areas (see 310 CMR 10.54-10 Coastal Resource Areas).	।.5४; । not applicable, go to Section B.3,
	Check all that apply below. Attach narrative and any project will meet all performance standards for each	

standards requiring consideration of alternative project design or location.



For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

	Resou	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
	а. 🔲	Bank	1. linear feet	2. linear feet
	b. 🗌	Bordering Vegetated Wetland	1. square feet	2. square feet
	с. 🗌	Land Under Waterbodies and	1. square feet	2. square feet
		Waterways	3. cubic yards dredged	
	Resour	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
	d. 🗌	Bordering Land Subject to Flooding	1. square feet	2. square feet
	r		3. cubic feet of flood storage lost	4. cubic feet replaced
	e. 📙	Isolated Land Subject to Flooding	1. square feet	
			2. cubic feet of flood storage lost	3. cubic feet replaced
	f. 🗌	Riverfront Area	Name of Waterway (if available) - special	cify coastal or inland
	2.	Width of Riverfront Area (check one):	
		25 ft Designated De	ensely Developed Areas only	
		☐ 100 ft New agricultu	ral projects only	
		200 ft All other proje	ects	
	3.	Total area of Riverfront Area	a on the site of the proposed projec	t: square feet
	4. i	Proposed alteration of the R	liverfront Area:	
	a. t	otal square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
	5. l	Has an alternatives analysis	been done and is it attached to thi	s NOI? Yes No
	6. \	Was the lot where the activit	ty is proposed created prior to Augu	ust 1, 1996?
3.	⊠ Coa	astal Resource Areas: (See	310 CMR 10.25-10.35)	

Note: for coastal riverfront areas, please complete Section B.2.f. above.



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Pro	ovided by MassDEP:
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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resou	ırce Area	Size of Proposed Alteration	Proposed Replacement (if any)
а. 🗌	Designated Port Areas	Indicate size under Land Und	ler the Ocean, below
b. 🗌	Land Under the Ocean	square feet cubic yards dredged	=
с. 🗌	Barrier Beach		aches and/or Coastal Dunes below
d. 🗌	Coastal Beaches	1. square feet	cubic yards beach nourishment
е. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment
		Size of Proposed Alteration	Proposed Replacement (if any)
f. 🛚	Coastal Banks	70 1. linear feet	-
g. 🗌	Rocky Intertidal Shores	1. square feet	_
h. 🔲	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. 🗌	Land Under Salt Ponds	1. square feet	=
		2. cubic yards dredged	•
j. 🗌	Land Containing Shellfish	1. square feet	-
k. 🗌	Fish Runs		nks, inland Bank, Land Under the der Waterbodies and Waterways,
		1. cubic yards dredged	-
I. 🗌	Land Subject to Coastal Storm Flowage	1. square feet	-
If the p	footage that has been ent	restoring or enhancing a wetland tered in Section B.2.b or B.3.h abo	
a. squar	e feet of BVW	b. square feet of	Salt Marsh
☐ Pro	oject Involves Stream Cros	ssings	
a. numb	er of new stream crossings	b. number of rep	lacement stream crossings

4.

5.



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	MassDEP File Number
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	Hull

Massachusetts Wetlands Protection Act M.G	i.L. c. 131, §40 Hull City/Town
C. Other Applicable Standards and	
☐ This is a proposal for an Ecological Restorati	•
Streamlined Massachusetts Endangered Spec	cies Act/Wetlands Protection Act Review
 Is any portion of the proposed project located in E the most recent Estimated Habitat Map of State-L Natural Heritage and Endangered Species Progra Massachusetts Natural Heritage Atlas or go to http://maps.massgis.state.ma.us/PRI EST HAB/N 	m (NHESP)? To view habitat maps, see the
a. Yes No If yes, include proof of r	nailing or hand delivery of NOI to:
Online 2022 b. Date of map Natural Heritage and E Division of Fisheries a 1 Rabbit Hill Road Westborough, MA 015	
If yes, the project is also subject to Massachusetts CMR 10.18). To qualify for a streamlined, 30-day, complete Section C.1.c, and include requested macomplete Section C.2.f, if applicable. If MESA supby completing Section 1 of this form, the NHESP up to 90 days to review (unless noted exceptions).	MESA/Wetlands Protection Act review, please aterials with this Notice of Intent (NOI); OR plemental information is not included with the NOI, will require a separate MESA filing which may take
c. Submit Supplemental Information for Endanger	ed Species Review*
1. Percentage/acreage of property to be	altered:
(a) within wetland Resource Area	percentage/acreage
(b) outside Resource Area	percentage/acreage
2. Assessor's Map or right-of-way plan of	fsite
 Project plans for entire project site, including w wetlands jurisdiction, showing existing and propos tree/vegetation clearing line, and clearly demarcate 	ed conditions, existing and proposed
(a) Project description (including descripti buffer zone)	on of impacts outside of wetland resource area &
(b) Photographs representative of the site	

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^{*} Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see https://www.mass.gov/maendangered-species-act-mesa-regulatory-review)

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

^{**} MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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Provided by MassDEF)
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MassDEP File Number

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C. Other Applicable Standards and Requirements (cont'd)

(c) MESA filing fee (fee information available at <a -="" a="" above="" address<="" commonwealth="" href="https://www.mass.gov/how-to</th><th>ble at <u>https://www.mass.gov/how-to/how-to-file-for-</u></th></tr><tr><td colspan=3><u>a-mesa-project-review</u>). Make check payable to " massachusetts="" nhesp"="" of="" td=""><td>ssachusetts - NHESP" and <i>mail to NHESP</i> at</td>			ssachusetts - NHESP" and <i>mail to NHESP</i> at
	Project	ts altering 10 or more acres of land, also sub	mit:
	(d)	Vegetation cover type map of site	
	(e)	Project plans showing Priority & Estima	ated Habitat boundaries
	(f) OI	R Check One of the Following	
	1. 🗌	https://www.mass.gov/service-details/e	MESA exemption applies. (See 321 CMR 10.14, xemptions-from-review-for-projectsactivities-in-nt to NHESP if the project is within estimated 10.59.)
	2. 🔲	Separate MESA review ongoing.	a. NHESP Tracking # b. Date submitted to NHESP
	3. 🗌	Separate MESA review completed. Include copy of NHESP "no Take" dete Permit with approved plan.	rmination or valid Conservation & Management
3.	For coasta line or in a	I projects only, is any portion of the properties run?	osed project located below the mean high water
	a. Not a	applicable – project is in inland resource	area only b. 🗌 Yes 🗵 No
	If yes, inclu	ude proof of mailing, hand delivery, or ele	ectronic delivery of NOI to either:
	South Shore the Cape &	e - Cohasset to Rhode Island border, and Islands:	North Shore - Hull to New Hampshire border:
	Southeast M Attn: Environ 836 South F New Bedfor	Marine Fisheries - Marine Fisheries Station nmental Reviewer Rodney French Blvd. d, MA 02744 i.envreview-south@mass.gov	Division of Marine Fisheries - North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930 Email: dmf.envreview-north@mass.gov
	please con	the project may require a Chapter 91 lic tact MassDEP's Boston Office. For coas s Southeast Regional Office.	ense. For coastal towns in the Northeast Region, tal towns in the Southeast Region, please contact
	c. 🗌 is i	this an aquaculture project?	d. ☐ Yes ⊠ No
	If yes, inclu	ide a copy of the Division of Marine Fishe	eries Certification Letter (M.G.L. c. 130, § 57).



Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

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C. Other Applicable Standards and Requirements (cont'd)

4.	Is any por	tion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
	a. 🗌 Yes	No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). Note: electronic filers click on Website.
	b. ACEC	
5.		tion of the proposed project within an area designated as an Outstanding Resource Water designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
	a. 🗌 Yes	No No No No No No No N
6.		tion of the site subject to a Wetlands Restriction Order under the Inland Wetlands n Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
	a. 🗌 Yes	⊠ No
7.	Is this proj	ect subject to provisions of the MassDEP Stormwater Management Standards?
	a. Ye	es. Attach a copy of the Stormwater Report as required by the Stormwater Management andards per 310 CMR 10.05(6)(k)-(q) and check if:
	1. 🗌	Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
	2. 🗌	A portion of the site constitutes redevelopment
	3. 🗌	Proprietary BMPs are included in the Stormwater Management System.
	b. 🛛 No	o. Check why the project is exempt:
	1. 🛛	Single-family house
	2. 🗌	Emergency road repair
	3. 🗌	Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.
D.	Addition	onal Information
		roposal for an Ecological Restoration Limited Project. Skip Section D and complete A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR
	Applicants	must include the following with this Notice of Intent (NOI). See instructions for details.
		ers: Attach the document transaction number (provided on your receipt page) for any of any information you submit to the Department.
	su	GGS or other map of the area (along with a narrative description, if necessary) containing fficient information for the Conservation Commission and the Department to locate the site. ectronic filers may omit this item.)
	a E	ans identifying the location of proposed activities (including activities proposed to serve as Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative the boundaries of each affected resource area.



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D.	Additional	Information	(cont'd)
	, 10101111011011		

3. 🗌		esource area boundary delineations (MassDEP BVW plicability, Order of Resource Area Delineation, etc.), thodology.
4. 🛛	List the titles and dates for all plans and	other materials submitted with this NOI.
	ope Stabilization Plan	
С	Plan Title ivil & Environmental Consultants, Inc. Prepared By	Steven D. Gioiosa, P.E.
	ovember 11, 2022	Steven D. Gioiosa, P.E. c. Signed and Stamped by 1"=20' e. Scale g. Date perty owner, please attach a list of these property owners not
d.	Final Revision Date	e. Scale
	Additional Plan or Document Title	-
5. []	If there is more than one property owner, listed on this form.	, please attach a list of these property owners not
6. 🗌	Attach proof of mailing for Natural Herita	ge and Endangered Species Program, if needed.
7. 🔲	Attach proof of mailing for Massachusett	s Division of Marine Fisheries, if needed.
в. 🖂	Attach NOI Wetland Fee Transmittal For	m
9. 🔲	Attach Stormwater Report, if needed.	

E. Fees

1.	Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or distric	t
	of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing	าดู
	authority, or the Massachusetts Bay Transportation Authority.	

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

129	Nov 14 2022
2. Municipal Check Number	3. Check date
//7	<i>Dec 1 2022</i> 5. Check date
4. State Check Number	5. Check date
Town Check - Thomas	7. Payor name on check: Last Name
6. Payor name on check: First Name	7. Payor name on check: Last Name
STATE CLECK STEVEN	STATE Check - GIOIDSA



Bureau of Resource Protection - Wetlands

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Provided by MassDEP: MassDEP File Number

> **Document Transaction Number** Hull City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

Signature of Property Owner (if different) 4. Date

Signature of Representative (if any)

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Important: When filling out forms on the computer. use only the tab key to move your cursor - do not use the return





Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. Applicant Information

1.	Location of Project:		
	51 Harbor View Road	Hull	
	a. Street Address	b. City/Town	
		\$42.50	
	c. Check number	d. Fee amount	
_	A 22 (BA 22 A 1.1		

Foos			
h. Phone Number	i. Fax Number	j. Email Address	
e. City/Town		f. State	g. Zip Code
d. Mailing Address			
c. Organization			
a. First Name		b. Last Name	
Property Owner (if o	different):		
h. Phone Number	i. Fax Number	j. Email Address	
781-925-4000		tfitzgerald@conferenceho	tels.com
e. City/Town		f. State	g. Zip Code
Hull		MA	02045
d. Mailing Address			
51 Harbor View Roa	ad		
c. Organization			
a. First Name		b. Last Name	
Thomas P.		Fitzgerald	
Applicant Mailing A	ddress:		
c. Check number		d. Fee amount	
		\$42.50	

To calculate filing fees, refer to the category fee list and examples in the instructions for

filling out WPA

Intent).

Form 3 (Notice of

Fee should be calculated using the following process & worksheet. Please see Instructions before filling out worksheet.

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



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NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)			
Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 1.a Work on Single Famil	<u>1</u>	\$110.00	\$110.00
		-	
	Step 5/To	tal Project Fee:	\$110.00
	Step 6/I	Fee Payments:	
	Total I	Project Fee:	\$110.00 a. Total Fee from Step 5
	State share	of filing Fee:	\$42.50 b. 1/2 Total Fee less \$12.50
	City/Town share	of filling Fee:	\$67.50 c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection Box 4062 Boston, MA 02211

b.) To the Conservation Commission: Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



MEMORANDUM

Date:

November 10, 2022

To:

Conservation Commission

DEP Southeast Regional Office

Subject:

Slope Stabilization Project

Notice of Intent Application Assessors Map 56, Lots 28

Hull, MA

OWNER LIST

Lot 28

Thomas P. Fitzgerald 51 Harbor View Road Hull, MA 02045

Deed Book 14021, Page 154

Unofficial Property Record Card - Hull, MA

General Property Data

Parcel ID 56-028

Prior Parcel ID --

Property Owner FITZGERALD THOMAS P

Mailing Address 51 HARBORVIEW RD

City HULL

Mailing State MA

ParcelZoning SFB

Account Number 56-028

Property Location 51 HARBOR VIEW RD

Property Use 1 FAMILY

Most Recent Sale Date 12/13/1995

Legal Reference 14021-154

Grantor FITZGERALD THOMAS P & JUDITH A

Sale Price 1

Land Area 0.398 acres

Current Property Assessment

Card 1 Value Building Value 546,600

Xtra Features 600 Value

Zip 02045-0000

Land Value 800,000

Total Value 1,347,200

Building Description

Building Style SPLIT ENT # of Living Units 1 Year Built 1965 **Building Grade GOOD (-) Building Condition Very Good** Finished Area (SF) 3739.19995 Number Rooms 10 # of 3/4 Baths 0

Foundation Type CONCRETE Frame Type WOOD **Roof Structure GABLE** Roof Cover ASPHALT SH Siding CLAPBOARD Interior Walls DRYWALL

of Bedrooms 4 # of 1/2 Baths 1

Flooring Type CARPET/LAMIN **Basement Floor CONCRETE** Heating Type FORCED H/W **Heating Fuel GAS** Air Conditioning 0% # of Bsmt Garages 2

of Full Baths 2 # of Other Fixtures 2

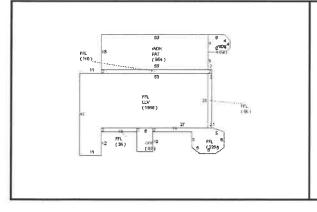
Legal Description

29 HARBORVIEW ESTATE & PG-697

Narrative Description of Property

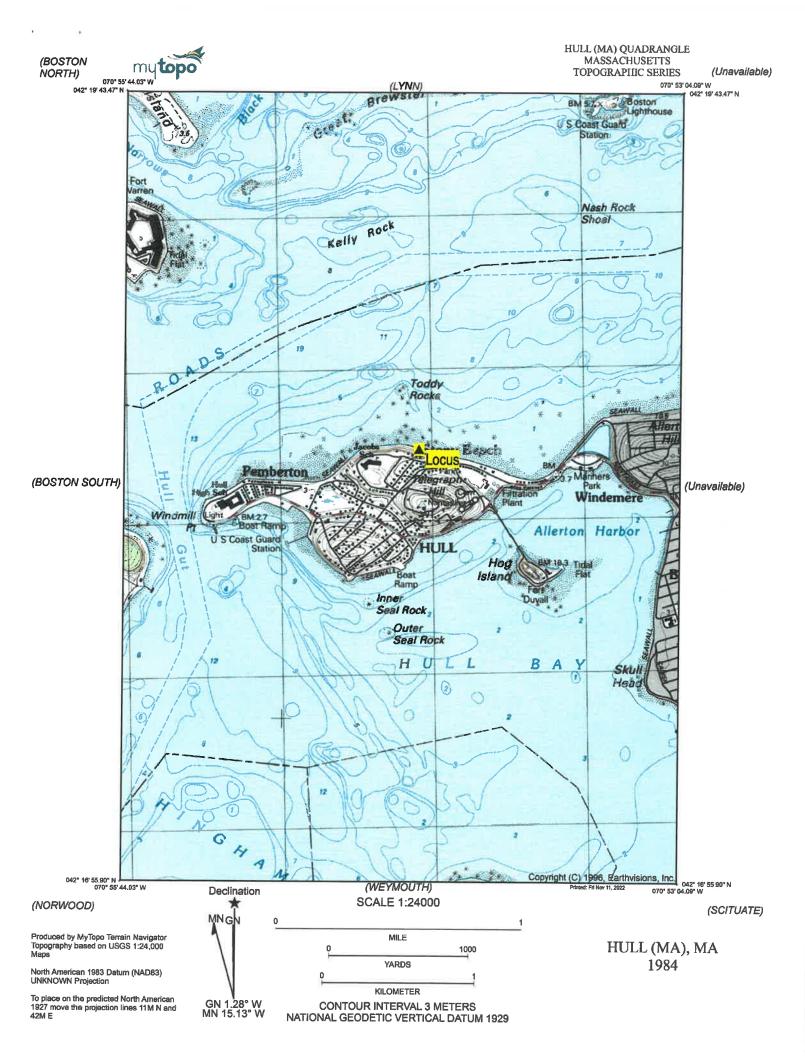
This property contains 0.398 acres of land mainly classified as 1 FAMILY with a(n) SPLIT ENT style building, built about 1965, having CLAPBOARD exterior and ASPHALT SH roof cover, with 1 unit(s), 10 room(s), 4 bedroom(s), 2 bath(s), 1 half bath(s).

Property Images





Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.



National Flood Hazard Layer FIRMette



OTHER AREAS OF FLOOD HAZARD MAP PANELS OTHER AREAS **FEATURES** Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020 EL 13 Feet 1:6.000 AREA OF MINIMAL FLOOD HAZARD Feet Town of Hull Zome (VE) (EL 20 Feet) 250269 1,500 1,000 18 LOMR 18-01-0249 eff. 1/24/2018 200 eff. 12/13/2017 LOMR 17-01 220

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

With BFE or Depth Zone AE. AO, AH, VE, AR Without Base Flood Elevation (BFE) Zone A. V. A99

0.2% Annual Chance Flood Hazard, Areas depth less than one foot or with drainage areas of less than one square mile Zone X of 1% annual chance flood with average Regulatory Floodway

Area with Reduced Flood Risk due to Future Conditions 1% Annual Chance Flood Hazard Zone X Levee. See Notes. Zone X

Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X **Effective LOMRs**

Area of Undetermined Flood Hazard Zone D

- - - Channel, Culvert, or Storm Sewer STRUCTURES | 1111111 Levee, Dike, or Floodwall GENERAL

Cross Sections with 1% Annual Chance 17.5

Base Flood Elevation Line (BFE) Water Surface Elevation Coastal Transect

Jurisdiction Boundary Limit of Study

Coastal Transect Baseline

Hydrographic Feature Profile Baseline

OTHER

No Digital Data Available Digital Data Available

Unmapped

point selected by the user and does not represent The pin displayed on the map is an approximate an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

authoritative NFHL web services provided by FEMA. This map reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or The flood hazard information is derived directly from the was exported on 11/11/2022 at 1-01 PM and does not

This map image is void if the one or more of the following map elements do not appear. basemap imagery, flood zone labels, FIRM panel number, and FIRM effective date. Map images for legend, scale bar, map creation date, community identifiers, unmapped and unmodernized areas cannot be used for regulatory purposes.

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Assessors Office Town of Hull

LIST OF ABUTTERS TO Parcel No.: Owner:

Page

December 1, 2022 8:56:09AM

Address:

53 HARBOR VIEW RD

BROOKS LEE-ANNE & JASON R 12 CHRISTINE RD HULL, MA 02045 Mailing Address Book - Page Parcel No. 49917-47 56-015 12 CHRISTINE RD Parcel Location BROOKS LEE-ANNE & JASON R Abutter's Name

BJORKMAN PHILIP J & SHARON 55 HARBOR VIEW RD WHITE JOHN P & LINDA 11 CHRISTINE RD HULL, MA 02045-0000 HULL, MA 02045 56711-311 53816-57 56-030 56-027 55 HARBOR VIEW RD 11 CHRISTINE RD BJORKMAN PHILIP J & SHARON WHITE JOHN P & LINDA

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47 HARBOR VIEW ROAD **HULL, MA 02045** 49102-316 47 HARBOR VIEW RD LIAO EDWARD

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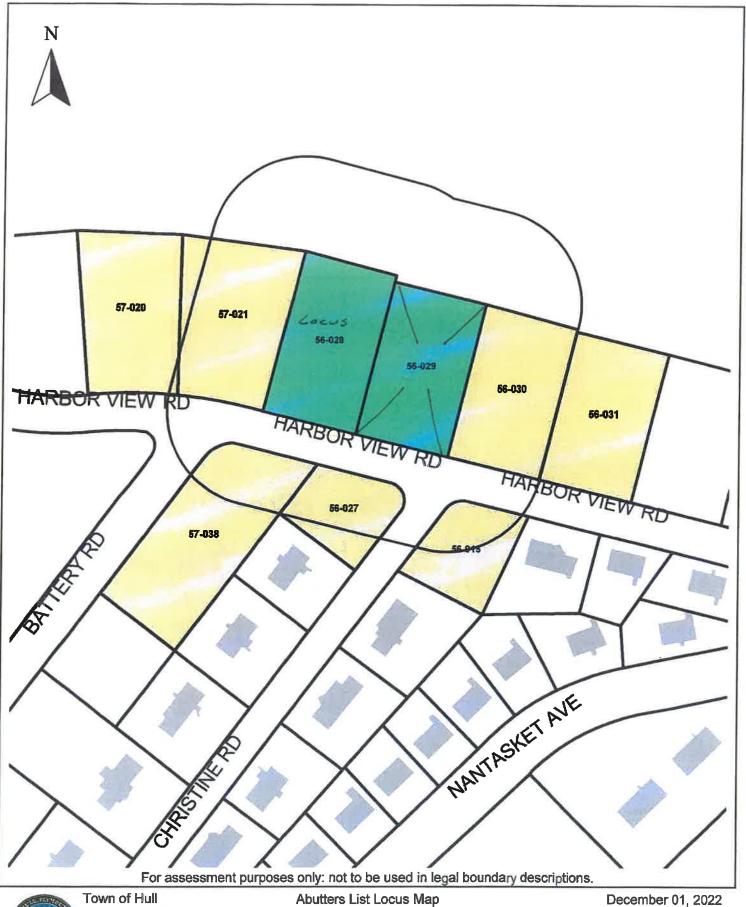
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R. STEVENS TRUST STEVENS, TRUSTER 34 BRADBOK PARK BRYAN J. MARICYN

BEARDE BRIAN N & DEBORAH A 50 HARBOR VIEW ROAD

HULL, MA 02045

BOSTUM, MA 02116 UNIT





Assessors Office 253 Atlantic Avenue Hull, MA 02045 781-925-2205

0 100 200 Feet

Multiple Subject Parcels Selected Radius: 100'

Notification to Abutters

In accordance with Massachusetts General Laws Chapter 131, Section 40, the Wetlands Protection Act, you are hereby notified of the following:

- A. The name of the Applicant is: Thomas P. Fitzgerald
- B. The Applicant has filed a request for an Order of Conditions with the Hull Conservation Commission for the proposed stabilization of a portion of Coastal Bank.
- C. The address of the lot where the activity is proposed is 51 _____ Harbor View Road, Assessors Map 56, Lots 28 in Hull, MA.
- D. Copies of the Notice of Intent may be examined at: <u>Civil & Environmental Consultants, Inc.</u>, Monday Friday, between the hours of 9 AM and 4 PM. This is the Applicant's representative. <u>Call (774) 501-3077</u> for more information.
- E. Copies of the Notice of Intent may be obtained from the Applicant's representative by calling (774) 501-3077 between the hours of 9 AM and 5 PM, Monday Friday.
- F. Information regarding the date, time, and place of the Public Hearing may be obtained from the Conservation Commission by calling (781) 925-8102 between the hours of 9AM and 4PM, Monday Thursday.

Notice of this hearing will be posted in the Hull Times.

Note: You also may contact your local Conservation Commission or the nearest DEP Regional office for more information about this application or the Wetlands Protection Act.

DEP Southeast Regional Office: (508) 946-2800



MEMORANDUM

Date: November 10, 2022

To: Conservation Commission

Town of Hull

From: Civil & Environmental Consultants, Inc.

Steven D. Gioiosa, P.E. and Antonio Sousa II

Subject: Slope Stabilization Project

Location: 51 Harbor View Road

Hull, MA

CEC Project: 324-891



Attached please find a Notice of Intent and associated supporting documents for the proposed stabilization of an eroding coastal bank located on the north side of 51 ... Harbor View Road in Hull, Massachusetts. A portion of the slope collapsed after a significant rainfall event and resulted in the destabilization of approximately 70 linear feet (LF) of coastal bank.

Civil & Environmental Consultants, Inc (CEC), has completed a field evaluation of the subject area in order to develop the following protocol for stabilizing the slope. This evaluation was completed by our geotechnical engineer, Antonio Sousa II, and Steven D. Gioiosa, P.E., Vice President and senior design engineer. Several options for stabilization of the bank have been considered and include vegetation matting, stone armoring, terraced walls, and soil nailing. Each of these options would provide varying degrees of stabilization for this location.

The vegetation option was not given a significant amount of consideration due to the severe slope that exists in this area. The use of a turf reinforcing mat is better suited to embankments where a 2:1 or flatter slope can reasonably be attained. Due to the coastal setting of this site and the granular soil conditions, CEC would not recommend this option for the upper section of the site. Portions of the lower slope where the grade is less than 3:1, the use of native plant species for stabilization of disturbed areas is proposed. A mix of plantings consisting of Beach Plum,

Hull Conservation Commission CEC Project 324-891 Page 2 November 10, 2022

Bayberry, and Virginia Rose together with New England Coastal Salt Tolerant Grass Mix as prepared by New England Wetland Plants, Inc., 820 West Street, Amherst, MA 01002.

For the major portion of the eroded slope that requires stabilization, CEC is proposing to utilize a soil nailing technique that has been used extensively throughout the country for problematic soil conditions. Soil nails are reinforcing elements that are drilled and grouted at approximate 10 to 15 degree angles in the ground to support the unstable slope. For this site, construction of soil nails would contribute to the global stability of the existing slope and would be designed to achieve a permanent factor of safety of at least 1.5. The 1.5 factor of safety is the minimum factor of safety for permanent slope conditions as recommended by the Federal Highway Administration and is commonly used in engineering practice for slope stability projects.

For most projects of this type, soil nails are constructed in 5 foot vertical lifts. For this project, the soil nails would be installed directly into the exposed slope below the soldier piles and timber wall. The soil nail elements and construction sequence are as follows:

- 1. Drilling of nail holes: The holes are advanced with specialized drilling equipment which are generally the size of a small excavator;
- 2. Nail installation: The steel tendon is placed into the drill hole. It is anticipated that a self-drilled tendon will be used for this project which simplifies the process by combining steps 1, 2, and 3 of this outline into a single step;
- 3. Grout Placement: Grout is placed by gravity or low pressure into the drill hole and around the steel tendon. As noted above, the grout will be added directly through the hollow tendon self-drilled tendon we anticipate utilizing;
- 4. Strip Drain: A strip drain is placed between the soil nails to relieve the final wall of hydrostatic pressure that may develop;
- 5. Initial shotcrete facing: Welded wire fabric is installed across the soil face and the first shotcrete facing is applied to the soil surface. Horizontal and vertical rebar is placed around the nail heads, and, as the shotcrete begins to cure, a steel bearing plate is placed over the protruding tendon. Hex nuts and washers are installed on the tendons to secure the plates. At this stage, some of the soil nails are proof-tested with a hydraulic jack to verify their capacity;
- 6. Final Facing: After the nails have been installed and tested, the final concrete facing is placed.

Upon completion of the stabilization process, the disturbed perimeter areas will be revegetated as outlined above.

NEW ENGLAND WETLAND PLANTS, INC

820 WEST STREET, AMHERST, MA 01002

PHONE: 413-548-8000 FAX 413-549-4000 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Coastal Salt Tolerant Grass Mix

Botanical Name	Common Name	Indicator
Elymus canadensis	Canada Wild Rye	FACU+
Festuca rubra	Red Fescue	FACU
Panicum amarum	Atlantic Coastal Panic Grass	FACU-
Andropogon gerardii	Big Bluestem	FAC
Sorghastrum nutans	Indian Grass	UPL
Panicum virgatum	Switch Grass	FAC
Juncus tenuis	Path Rush	FAC

PRICE PER LB. \$26.00 MIN. QUANITY 4 LBS. **TOTAL:** \$104.00 APPLY: 35 LBS/ACRE :1250 sq ft/lb

The New England Coastal Salt Tolerant Seed Mix contains a selection of native grasses that tolerate salty conditions. This mix is appropriate for drier coastal areas that receive salt spray or mist. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring seeding. Late Spring and early Summer seeding will benefit with a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering may be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free soil surface is necessary for optimal results.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

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